

SPP Transmission Expansion Cost Allocation

CAWG Meeting

SPP Base Plan Assumptions

August 3, 2004

BDR

strategic solutions for the electricity industry

- **Summary of major inputs**
 - **Utilize 10 year control area load forecasts**
 - **Long-term firm point-to-point requirements**
 - **Existing Network Resources**
 - **Known transmission system projects**
 - **Known interconnection-related projects**
- **Objective function: Identify upgrades to reliably serve the forecasted load and firm point to point transmission service**

- **How does SPP deal with situation where model does not have sufficient capacity in model to meet future year load forecast and reserve requirements?**
- **How are changes to designated network resources included in the base plan?**
- **How are generator interconnection related upgrades incorporated (or not) in the base plan assumptions?**

- **10 Year Reliability Plan**
- **Use 10 year load forecasts**
 - **Use known committed generation**
 - **Designated Network Resources (DNRs)**
 - **Uncommitted generation located according to agreed guidelines**
 - **Assume generic size and type**
 - **Uncommitted capacity to meet capacity margin requirements**
 - **Location is optimized for least cost transmission upgrades**
 - **locations and sizes publicly identified**
 - **Identified upgrades are part of the base plan**
 - **Upgrades associated with uncommitted resources are determined but not included in base plan upgrades**